IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **APPARATUS AND METHOD FOR SYNCHRONIZATION IN A MULTIPLE-CARRIER COMMUNICATION SYSTEM BY OBSERVING A PHASE-FREQUENCY RELATIONSHIP OF A PLURALITY OF PILOT SIGNALS**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119(a-d) pr 365(a-b) of PCT or foreign application(s) for patent or inventors' certificate listed below or priority benefits under 119(e) of any United States provisional application(s) listed below and have also identified below any foreign application for patent or inventors' certificate having a filing date before that of the application on which priority is claimed:

U.S. Provisional Application Serial No. 60,140,465 , filed June 23, 1999

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

[None]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Michele L. Conover	Reg. No. 34,962
Cedric G. DeLaCruz	Reg. No. 36,498
Samuel H. Dworetsky	Reg. No. 27,873
Rohini K. Garg	Reg. No. 45,272
Thomas M. Isaacson	Reg. No. 44,166
Benjamin S. Lee	Reg. No. 42,787
Robert B. Levy	Reg. No. 28,234
Susan E. McHale	Reg. No. 35,948
Gary H. Monka	Reg. No. 35,390
Jeffrey M. Navon	Reg. No. 32,711
Thomas A. Restaino	Reg. No. 33,444
Alfred G. Steinmetz	Reg. No. 22,971

I also appoint the following registered practitioners of Gray, Cary Ware & Freidenrich as associate attorneys with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

James P. Cleary	Reg. No. 45,843	John J. Oskorep	Reg. No. 41,234
Travis L. Dodd	Reg. No. 42,491	Steven R. Sprinkle	Reg. No. 40,825
Charles D. Gavrilovich, Jr.	Reg. No. 41,031	Mark M. Takahashi	Reg. No. 38,631
Gerald W. Maliszewski	Reg. No. 38,054	Barry N. Young	Reg. No. 38,631
Terrance A. Meador	Reg. No. 30,298		

Please address all correspondence to Mr. S. H. Dworetsky, AT&T Corp., P.O. Box 4110, Middletown, New Jersey 07748-4110. Telephone calls should be make to Samuel H. Dworetsky at 908-221-5234. The facsimile number is 732-368-6932.

Full name of 1st joint inventor: JARI M. HEINONEN

Inventor's signature_____ Date_____

Residence: 2319 1st Avenue, Apartment #604
Seattle, Washington 98121

Citizenship: Finland

Post Office Address: 2319 1st Avenue, Apartment #604
Seattle, Washington 98121

Full name of 2nd joint inventor: MICHAEL R. HIRANO

Inventor's signature_____ Date_____

Residence: 9309 138th Court NE
Redmond, Washington 98052

Citizenship: U.S.

Post Office Address: 9309 138th Court NE
Redmond, Washington 98052

Full name of 3rd joint inventor:

Inventor's signature_____ Date_____

Residence:

Citizenship:

Post Office Address: